



218791.ST25
SEQUENCE LISTING

<110> WANG, Rong-Fu
ROSENBERG, Steven

<120> NOVEL HUMAN CANCER ANTIGEN NY ESO-1/CAG-3 AND GENE ENCODING SAME

<130> 218791

<140> 09/529,206

<141> 2000-06-13

<150> PCT/US98/19609

<151> 1998-09-21

<150> 60/061,428

<151> 1997-10-08

<160> 106

<170> PatentIn version 3.2

<210> 1

<211> 805

<212> DNA

<213> Homo sapiens

<400> 1

```
agcagggggc gctgtgtgta ccgagaatac gagaatacct cgtggggcct gaccttctct      60
ctgagagccg ggcagaggct ccggagccat gcaggccgaa ggccggggca caggggggttc      120
gacgggcat gctgatggcc caggaggccc tggcattcct gatggcccag ggggcaatgc      180
tggcggccca ggagaggcgg gtgccacggg cggcagaggt ccccggggcg caggggcagc      240
aagggcctcg gggccgggag gaggcgcccc gcgggggtccg catggcgggc cggttccagg      300
gctgaatgga tgctgcagat gcggggccag gggggccggag agccgcctgc ttgagttcta      360
cctcgccatg cttttcgca caccatgga agcagagctg gcccgcagga gcctggccca      420
ggatgcccc cgcgttccc tgccaggggt gcttctgaag gagttcactg tgtccggcaa      480
catactgact atccgactga ctgctgcaga ccaccgcaa ctgcagctct ccatcagctc      540
ctgtctccag cagctttccc tgttgatgtg gatcacgcag tgctttctgc ccgtgttttt      600
ggctcagcct ccctcagggc agaggcgcta agcccagcct ggcgcccctt cctaggtcat      660
gcctcctccc ctagggaatg gtcccagcac gagtggccag ttcatgtgg gggcctgatt      720
gtttgtcgct ggaggaggac ggcttacatg tttgtttctg tagaaaataa aactgagcta      780
cgaaaaaaaa aaaaaaaaaa aaaaaa                                         805
```

<210> 2

<211> 540

<212> DNA

<213> Homo sapiens

<400> 2

218791.ST25

atgcaggccg aaggccgggg cacagggggt tcgacgggcg atgctgatgg cccaggaggc 60
 cctggcattc ctgatggccc agggggcaat gctggcgggc caggagaggc gggtgccacg 120
 ggcggcagag gtccccgggg cgcaggggca gcaagggcct cggggccggg aggaggcgcc 180
 ccgcgggggtc cgcattggcg cgcggttca gggctgaatg gatgctgcag atgcggggcc 240
 agggggccgg agagccgcct gcttgagttc tacctcgcca tgcctttcgc gacacccatg 300
 gaagcagagc tggcccgcag gagcctggcc caggatgccc caccgcttcc cgtgccaggg 360
 gtgcttctga aggagttcac tgtgtccggc aacatactga ctatccgact gactgctgca 420
 gaccaccgcc aactgcagct ctccatcagc tcctgtctcc agcagctttc cctgttgatg 480
 tggatcacgc agtgctttct gcccgtgttt ttggctcagc ctccctcagg gcagaggcgc 540

<210> 3
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 3
 atgctgatgg cccaggaggc cctggcattc ctgatggccc agggggcaat gctggcgggc 60
 caggagaggc gggtgccacg ggcggcagag gtccccgggg cgcaggggca gcaagggcct 120
 cggggccggg aggaggcgcc ccgcgggggtc cgcattggcg cgcggttca gggc 174

<210> 4
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 4

Met Gln Ala Glu Gly Arg Gly Thr Gly Gly Ser Thr Gly Asp Ala Asp
 1 5 10 15

Gly Pro Gly Gly Pro Gly Ile Pro Asp Gly Pro Gly Gly Asn Ala Gly
 20 25 30

Gly Pro Gly Glu Ala Gly Ala Thr Gly Gly Arg Gly Pro Arg Gly Ala
 35 40 45

Gly Ala Ala Arg Ala Ser Gly Pro Gly Gly Gly Ala Pro Arg Gly Pro
 50 55 60

His Gly Gly Ala Ala Ser Gly Leu Asn Gly Cys Cys Arg Cys Gly Ala
 65 70 75 80

Arg Gly Pro Glu Ser Arg Leu Leu Glu Phe Tyr Leu Ala Met Pro Phe
 85 90 95

218791.ST25

Ala Thr Pro Met Glu Ala Glu Leu Ala Arg Arg Ser Leu Ala Gln Asp
100 105 110

Ala Pro Pro Leu Pro Val Pro Gly Val Leu Leu Lys Glu Phe Thr Val
115 120 125

Ser Gly Asn Ile Leu Thr Ile Arg Leu Thr Ala Ala Asp His Arg Gln
130 135 140

Leu Gln Leu Ser Ile Ser Ser Cys Leu Gln Gln Leu Ser Leu Leu Met
145 150 155 160

Trp Ile Thr Gln Cys Phe Leu Pro Val Phe Leu Ala Gln Pro Pro Ser
165 170 175

Gly Gln Arg Arg
180

<210> 5
<211> 58
<212> PRT
<213> Homo sapiens

<400> 5

Met Leu Met Ala Gln Glu Ala Leu Ala Phe Leu Met Ala Gln Gly Ala
1 5 10 15

Met Leu Ala Ala Gln Glu Arg Arg Val Pro Arg Ala Ala Glu Val Pro
20 25 30

Gly Ala Gln Gly Gln Gln Gly Pro Arg Gly Arg Glu Glu Ala Pro Arg
35 40 45

Gly Val Arg Met Ala Ala Arg Leu Gln Gly
50 55

<210> 6
<211> 9
<212> PRT
<213> Homo sapiens

<400> 6

Ala Gln Pro Pro Ser Gly Gln Arg Arg
1 5

<210> 7
<211> 9
<212> PRT
<213> Homo sapiens

<400> 7

Thr Pro Met Glu Ala Glu Leu Ala Arg
 1 5

<210> 8

<211> 9

<212> PRT

<213> Homo sapiens

<400> 8

Pro Met Glu Ala Glu Leu Ala Arg Arg
 1 5

<210> 9

<211> 9

<212> PRT

<213> Homo sapiens

<400> 9

Gly Ala Thr Gly Gly Arg Gly Pro Arg
 1 5

<210> 10

<211> 9

<212> PRT

<213> Homo sapiens

<400> 10

Gly Pro Arg Gly Ala Gly Ala Ala Arg
 1 5

<210> 11

<211> 9

<212> PRT

<213> Homo sapiens

<400> 11

Leu Ala Gln Pro Pro Ser Gly Gln Arg
 1 5

<210> 12

<211> 9

<212> PRT

<213> Homo sapiens

<400> 12

Val Ser Gly Asn Ile Leu Thr Ile Arg
 1 5

<210> 13

<211> 9

<212> PRT
 <213> Homo sapiens

<400> 13

Ile Arg Leu Thr Ala Ala Asp His Arg
 1 5

<210> 14
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 14

Ser Gly Pro Gly Gly Gly Ala Pro Arg
 1 5

<210> 15
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 15

Thr Val Ser Gly Asn Ile Leu Thr Ile Arg
 1 5 10

<210> 16
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 16

Thr Ile Arg Leu Thr Ala Ala Asp His Arg
 1 5 10

<210> 17
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 17

Ala Thr Pro Met Glu Ala Glu Leu Ala Arg
 1 5 10

<210> 18
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 18

Phe Leu Ala Gln Pro Pro Ser Gly Gln Arg
 1 5 10

218791.ST25

<210> 19
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 19

Thr Pro Met Glu Ala Glu Leu Ala Arg Arg
 1 5 10

<210> 20
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 20

Arg Cys Gly Ala Arg Gly Pro Glu Ser Arg
 1 5 10

<210> 21
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 21

Ala Ala Ser Gly Leu Asn Gly Cys Cys Arg
 1 5 10

<210> 22
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 22

Leu Ala Gln Pro Pro Ser Gly Gln Arg Arg
 1 5 10

<210> 23
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 23

Arg Gly Pro Arg Gly Ala Gly Ala Ala Arg
 1 5 10

<210> 24
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 24

218791.ST25

Leu Asn Gly Cys Cys Arg Cys Gly Ala Arg
1 5 10

<210> 25
<211> 10
<212> PRT
<213> Homo sapiens

<400> 25

Ala Ser Gly Pro Gly Gly Gly Ala Pro Arg
1 5 10

<210> 26
<211> 15
<212> PRT
<213> Homo sapiens

<400> 26

Ala Gly Ala Ala Arg Ala Ser Gly Pro Gly Gly Gly Ala Pro Arg
1 5 10 15

<210> 27
<211> 14
<212> PRT
<213> Homo sapiens

<400> 27

Gly Ala Ala Arg Ala Ser Gly Pro Gly Gly Gly Ala Pro Arg
1 5 10

<210> 28
<211> 13
<212> PRT
<213> Homo sapiens

<400> 28

Ala Ala Arg Ala Ser Gly Pro Gly Gly Gly Ala Pro Arg
1 5 10

<210> 29
<211> 12
<212> PRT
<213> Homo sapiens

<400> 29

Ala Arg Ala Ser Gly Pro Gly Gly Gly Ala Pro Arg
1 5 10

<210> 30
<211> 11
<212> PRT
<213> Homo sapiens

<400> 30

Arg Ala Ser Gly Pro Gly Gly Gly Ala Pro Arg
 1 5 10

<210> 31

<211> 8

<212> PRT

<213> Homo sapiens

<400> 31

Gly Pro Gly Gly Gly Ala Pro Arg
 1 5

<210> 32

<211> 11

<212> PRT

<213> Homo sapiens

<400> 32

Ala Ser Gly Pro Gly Gly Gly Ala Pro Arg Gly
 1 5 10

<210> 33

<211> 10

<212> PRT

<213> Homo sapiens

<400> 33

Ser Gly Pro Gly Gly Gly Ala Pro Arg Gly
 1 5 10

<210> 34

<211> 10

<212> PRT

<213> Homo sapiens

<400> 34

Ala Ala Gly Pro Gly Gly Gly Ala Pro Arg
 1 5 10

<210> 35

<211> 10

<212> PRT

<213> Homo sapiens

<400> 35

Ala Ile Gly Pro Gly Gly Gly Ala Pro Arg
 1 5 10

<210> 36

<211> 10
 <212> PRT
 <213> Homo sapiens

<400> 36

Ala Leu Gly Pro Gly Gly Gly Ala Pro Arg
 1 5 10

<210> 37
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 37

Ala Val Gly Pro Gly Gly Gly Ala Pro Arg
 1 5 10

<210> 38
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 38

Ala Thr Gly Pro Gly Gly Gly Ala Pro Arg
 1 5 10

<210> 39
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 39

Ala Ser Gly Pro Gly Gly Gly Ala Pro Lys
 1 5 10

<210> 40
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 40

Ala Ser Gly Pro Gly Gly Gly Ala Pro His
 1 5 10

<210> 41
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 41

Thr Ser Gly Pro Gly Gly Gly Ala Pro Arg
 1 5 10

<210> 42
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 42

Val Ser Gly Pro Gly Gly Gly Ala Pro Arg
 1 5 10

<210> 43
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 43

Leu Ser Gly Pro Gly Gly Gly Ala Pro Arg
 1 5 10

<210> 44
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 44

Arg Ser Gly Pro Gly Gly Gly Ala Pro Arg
 1 5 10

<210> 45
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 45

Arg Gly Pro Arg Gly Ala Gly Ala Ala Arg Ala Ser Gly Pro Gly Gly
 1 5 10 15

Gly Ala Pro Arg
 20

<210> 46
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 46

Ala Ala Gln Glu Arg Arg Val Pro Arg
 1 5

<210> 47
 <211> 10

<212> PRT
 <213> Homo sapiens

<400> 47

Leu Ala Ala Gln Glu Arg Arg Val Pro Arg
 1 5 10

<210> 48
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 48

Met Leu Ala Ala Gln Glu Arg Arg Val Pro Arg
 1 5 10

<210> 49
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 49

Ala Met Leu Ala Ala Gln Glu Arg Arg Val Pro Arg
 1 5 10

<210> 50
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 50

Gly Ala Met Leu Ala Ala Gln Glu Arg Arg Val Pro Arg
 1 5 10

<210> 51
 <211> 30
 <212> DNA
 <213> Homo sapiens

<400> 51
 cctcggggcc gggaggaggc gccccgcggg

30

<210> 52
 <211> 30
 <212> DNA
 <213> Homo sapiens

<400> 52
 ctggcgcccc aggagaggcg ggtgccacgg

30

<210> 53
 <211> 27
 <212> DNA

<213> Homo sapiens

<400> 53
gcggcccagg agaggcgggt gccacgg

27

<210> 54
<211> 11
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa is no amino acid or one to about 10 amino acids

<220>
<221> misc_feature
<222> (2)..(2)
<223> Xaa is Ala, Thr, Val, Leu or Arg

<220>
<221> misc_feature
<222> (3)..(3)
<223> Xaa is Ser or conservative substitution

<220>
<221> misc_feature
<222> (11)..(11)
<223> Xaa is Arg or Lys

<400> 54

Xaa Xaa Xaa Gly Pro Gly Gly Gly Ala Pro Xaa
1 5 10

<210> 55
<211> 61
<212> PRT
<213> Homo sapiens

<400> 55

Arg Cys Gly Ala Arg Gly Pro Glu Ser Arg Leu Leu Glu Phe Tyr Leu
1 5 10 15

Ala Met Pro Phe Ala Thr Pro Met Glu Ala Glu Leu Ala Arg Arg Ser
20 25 30

Leu Ala Gln Asp Ala Pro Pro Leu Pro Val Pro Gly Val Leu Leu Lys
35 40 45

Glu Phe Thr Val Ser Gly Asn Ile Leu Thr Ile Arg Leu
50 55 60

<210> 56
<211> 25

218791.ST25

<212> PRT
<213> Homo sapiens

<400> 56

Met Leu Met Ala Gln Glu Ala Leu Ala Phe Leu Met Ala Gln Gly Ala
1 5 10 15

Met Leu Ala Ala Gln Glu Arg Arg Val
20 25

<210> 57
<211> 15
<212> PRT
<213> Homo sapiens

<400> 57

Ala Gly Arg Leu Tyr Leu Pro Leu Pro Pro Val Pro Val Leu Leu
1 5 10 15

<210> 58
<211> 24
<212> PRT
<213> Homo sapiens

<400> 58

Gly Gly Pro Leu Leu Glu Phe Leu Met Pro Thr Leu Ala Arg Ser Leu
1 5 10 15

Ala Ala Leu Pro Leu Glu Gly Leu
20

<210> 59
<211> 11
<212> PRT
<213> Homo sapiens

<400> 59

Met Glu Ala Leu Phe Leu Met Gln Met Ala Val
1 5 10

<210> 60
<211> 48
<212> PRT
<213> Homo sapiens

<400> 60

Gln Ala Ala Ala Thr Gly Gly Asp Ala Arg Gln Leu Val Gly Tyr Leu
1 5 10 15

Val Ser Gln Ser Gly Leu Pro Leu Asp Thr Ser Ala Leu Gln Ala Gln
20 25 30

218791.ST25

Leu Arg Glu Thr Leu Pro Pro His Met Val Pro Val Val Leu Leu Gln
 35 40 45

<210> 61
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 61

Gln Ala Gly Val Ala Gly Pro Ala Ala Ala Leu Leu Glu Phe Thr Leu
 1 5 10 15

Asn Met Leu Pro Trp Lys Thr Ala Val Gly Asp Phe Leu Ala Ser Thr
 20 25 30

Arg Leu Ser Leu Ala Asp Val Ala Ala His Leu Pro Leu Val Gln His
 35 40 45

Val Leu Asp Glu Asn Ser Leu Ile Gly Arg Leu Ala Leu Ala Lys Leu
 50 55 60

<210> 62
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 62

Met Pro Thr Thr Asn Glu Ala Leu Arg Phe Leu Met Gln Gln Pro Asn
 1 5 10 15

Met Val Val Ala Pro Ser Lys Ala Val
 20 25

<210> 63
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 63

Arg Leu Leu Glu Phe Tyr Leu Ala Met
 1 5

<210> 64
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 64

Gln Gln Leu Ser Leu Leu Met Trp Ile

1 5

<210> 65
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 65

Leu Pro Val Pro Gly Val Leu Leu Lys
 1 5

<210> 66
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 66

Gly Val Leu Leu Lys Glu Phe Thr Val
 1 5

<210> 67
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 67

Asn Ile Leu Thr Ile Arg Leu Thr Ala
 1 5

<210> 68
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 68

Trp Ile Thr Gln Cys Phe Leu Pro Val
 1 5

<210> 69
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 69

Thr Val Ser Gly Asn Ile Leu Thr Ile
 1 5

<210> 70
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 70

Leu Gln Gln Leu Ser Leu Leu Met Trp
 1 5

<210> 71

<211> 9

<212> PRT

<213> Homo sapiens

<400> 71

Leu Met Trp Ile Thr Gln Cys Phe Leu
 1 5

<210> 72

<211> 9

<212> PRT

<213> Homo sapiens

<400> 72

Leu Leu Met Trp Ile Thr Gln Cys Phe
 1 5

<210> 73

<211> 9

<212> PRT

<213> Homo sapiens

<400> 73

Ile Leu Thr Ile Arg Leu Thr Ala Ala
 1 5

<210> 74

<211> 9

<212> PRT

<213> Homo sapiens

<400> 74

Ser Ile Ser Ser Cys Leu Gln Gln Leu
 1 5

<210> 75

<211> 9

<212> PRT

<213> Homo sapiens

<400> 75

Leu Gln Leu Ser Ile Ser Ser Cys Leu
 1 5

<210> 76

<211> 9

<212> PRT
 <213> Homo sapiens

<400> 76

Cys Leu Gln Gln Leu Ser Leu Leu Met
 1 5

<210> 77
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 77

Ala Gln Asp Ala Pro Pro Leu Pro Val
 1 5

<210> 78
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 78

Gln Cys Phe Leu Pro Val Phe Leu Ala
 1 5

<210> 79
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 79

Arg Gln Leu Gln Leu Ser Ile Ser Ser
 1 5

<210> 80
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 80

Ser Leu Ala Gln Asp Ala Pro Pro Leu
 1 5

<210> 81
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 81

Asn Gly Cys Cys Arg Cys Gly Ala Arg
 1 5

218791.ST25

<210> 82
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 82

Thr Ile Arg Leu Thr Ala Ala Asp His
 1 5

<210> 83
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 83

Ala Ser Gly Leu Asn Gly Cys Cys Arg
 1 5

<210> 84
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 84

Thr Val Ser Gly Asn Ile Leu Thr Ile Arg
 1 5 10

<210> 85
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 85

Thr Ile Arg Leu Thr Ala Ala Asp His Arg
 1 5 10

<210> 86
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 86

Thr Gln Cys Phe Leu Pro Val Phe Leu Ala
 1 5 10

<210> 87
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 87

218791.ST25

Leu Gln Gln Leu Ser Leu Leu Met Trp Ile
1 5 10

<210> 88
<211> 10
<212> PRT
<213> Homo sapiens

<400> 88

Pro Leu Pro Val Pro Gly Val Leu Leu Lys
1 5 10

<210> 89
<211> 10
<212> PRT
<213> Homo sapiens

<400> 89

Cys Leu Gln Gln Leu Ser Leu Leu Met Trp
1 5 10

<210> 90
<211> 10
<212> PRT
<213> Homo sapiens

<400> 90

Asn Ile Leu Thr Ile Arg Leu Thr Ala Ala
1 5 10

<210> 91
<211> 10
<212> PRT
<213> Homo sapiens

<400> 91

Phe Thr Val Ser Gly Asn Ile Leu Thr Ile
1 5 10

<210> 92
<211> 10
<212> PRT
<213> Homo sapiens

<400> 92

Leu Leu Met Trp Ile Thr Gln Cys Phe Leu
1 5 10

<210> 93
<211> 10
<212> PRT
<213> Homo sapiens

<400> 93

Leu Leu Glu Phe Tyr Leu Ala Met Pro Phe
 1 5 10

<210> 94

<211> 10

<212> PRT

<213> Homo sapiens

<400> 94

Trp Ile Thr Gln Cys Phe Leu Pro Val Phe
 1 5 10

<210> 95

<211> 10

<212> PRT

<213> Homo sapiens

<400> 95

Ser Leu Leu Met Trp Ile Thr Gln Cys Phe
 1 5 10

<210> 96

<211> 10

<212> PRT

<213> Homo sapiens

<400> 96

Ala Met Pro Phe Ala Thr Pro Met Glu Ala
 1 5 10

<210> 97

<211> 10

<212> PRT

<213> Homo sapiens

<400> 97

Gln Gln Leu Ser Leu Leu Met Trp Ile Thr
 1 5 10

<210> 98

<211> 10

<212> PRT

<213> Homo sapiens

<400> 98

Arg Leu Leu Glu Phe Tyr Leu Ala Met Pro
 1 5 10

<210> 99

218791.ST25

<211> 10
<212> PRT
<213> Homo sapiens

<400> 99

Arg Gln Leu Gln Leu Ser Ile Ser Ser Cys
1 5 10

<210> 100
<211> 9
<212> PRT
<213> Homo sapiens

<400> 100

Gly Leu Gly Cys Cys Arg Cys Gly Ala
1 5

<210> 101
<211> 10
<212> PRT
<213> Homo sapiens

<400> 101

Tyr Leu Ala Met Pro Phe Ala Thr Pro Met
1 5 10

<210> 102
<211> 10
<212> PRT
<213> Homo sapiens

<400> 102

Gly Ile Pro Asp Gly Pro Gly Gly Asn Ala
1 5 10

<210> 103
<211> 10
<212> PRT
<213> Homo sapiens

<400> 103

Gln Leu Gln Leu Ser Ile Ser Ser Cys Leu
1 5 10

<210> 104
<211> 10
<212> PRT
<213> Homo sapiens

<400> 104

Leu Thr Ile Arg Leu Thr Ala Ala Asp His
1 5 10

218791.ST25

<210> 105
<211> 23
<212> DNA
<213> Homo sapiens

<400> 105
gcggcttcag ggctgaatgg atg

23

<210> 106
<211> 22
<212> DNA
<213> Homo sapiens

<400> 106
aagccgtcct cctccagcga ca

22